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ABSTRACT

5       There is provided a particulate matter combustion catalyst which allows easy combustion of particulate matter collected on the particulate matter filter of a diesel vehicle, at a much lower temperature than by the prior art.

10       The particulate matter combustion catalyst has a construction characterized by comprising an NO oxidation catalyst wherein the catalyst component is carried on an acidic first carrier, and an NO<sub>2</sub> decomposition catalyst wherein the catalyst component is carried on a second carrier. Preferably, the NO oxidation catalyst has a  
15       precious metal such as platinum carried on an acidic first carrier such as tungstic acid/zirconia, and the NO<sub>2</sub> decomposition catalyst has a catalyst component selected from the group consisting of the transition metals carried on a second carrier such as titania, or  
20       alternatively, the NO<sub>2</sub> decomposition catalyst has at least one metal selected from among alkali metals and alkaline earth metals and a precious metal such as platinum carried on a second carrier such as titania.